Item	Tasks	Date assigned	Date needed	Date complete	Contact person	Comments
1	Prepare cover or door for M100.	1.23.06	2.27.06		Russ. R	
2	Do a test run of installing infrastructure on test racks .		2.27.06		Foglesong (Victo	Includes organizing components for each rack.
3	Validate/update all mechanical dwgs.		2.27.06		Foglesong	
4	Prepare TAB/GAB crate cable restraint.	1.23.06	2.27.06		Foglesong	In progress.
5	Obtain, purchase test stand ADF crate.					May be spare at Saclay.
6	Bad LVDS cable list per test stand work.					Will be replaced after crate is moved to MCH1.
7	Test pulser system.		2.27.06			Peter should prepare testing procedures w/ Mike's help.
8	Generate 'broken TT" list with explanation.					Not cabling known bad TT.
9	Do a calibration run.				Sabine??	
10	Secure Joshua for BLS cable repairs.					
11	Install strain relief system on ADF crate.				Edmunds	Install the strain relief systems at the rear of the ADF crates.There are two roll bars on each side and about four inches above the ADF backplane for the pleated foil cables. In addition, another roll bar is needed another 4-6 inches higher up and to the side of the ADF crate closest to the TAB/GAB location for the LVDS cables.

After Noise_Before Decommisioning

Item	Tasks	Date assigned	Date needed	Date complete	Contact person	Comments
1	Rework VESDA, so M100, M101, M122-124 can be powered up independently of the L1Cal racks (M102-113).				Edmunds	
2	Mount sign on MCH1 door to control access during decommissioning and installation.					Insure DAQ shifters have access to perform safety checks.
3	Locate ECL cable which carries L1Cal signals to the TFW. The cable will be disconnected, and carefully threaded out of M104(?), over cross aisle cable tray to M124(?), and stored for safety.				Edmunds	This cable will be reused (GAB->TFW) after everything else has been installed.
4	Disconnect blue/grey BLS signal cables (128/rack), apply new labels, store in vertical grey cable trays.					Do no more than four cables at a time (a row to a single electronics board). Apply new labels (already printed, in cabinet on sidewalk). Do not waste time removing old label, and apply new label so it does not obscure old label. New labels are only applied to MCH end. It may be necessary to remove cable ties in order to find a straight unused part of the signal cable near the connector end so the label is visible and readable. Minimize handling in storing process.
5	Verify with Dan any remaining cables are scrap.					

Item	Tasks	Date assigned	Date needed	Date complete	Contact person	Comments
1	Get bins to hold all old equipment that is being removed from racks				Foglesong	
2	Identify and properly dispose of any hazardous waste				Foglesong	
3	Power down racks M102-M113, unplug AC control boxes, valve water off.				Foglesong	
4	Label and remove front and rear doors to racks M103-M112.				Foglesong	Request space to store from Russ.
5	Bag and tag all front door hardware for each rack M103-M112.				Foglesong	
6	Isolate all water to racks				Foglesong	
7	Tag all supply and return water lines				Foglesong	
8	Remove any old hardware, wiring, bottom and top air dams, and any other chassis still remaining in the racks					Strip racks M103-112 to their frames. We need another portable container in which to dump the scrap electronics boards, and another container for the old power supplies. Who will do this work? Can people work from the front and back of the rack removing different components, or from adjacent racks?
9	Uncable, label and dress all BLS cables in all the racks					

Item	Tasks	Date assigned	Date needed	Date complete	Contact person	Comments
10	Remove all twist-and-flat ribbon cables in M103-112, front, back and on top in cable tray.					Step 1) Snip the ribbon cables at the top of the front and back of the racks. Step 2) Disconnect the connector ends from the electronics, front and back. Step 3) Pull out all the excess cable from the cable tray on top. All the twist-and-flat ribbon cable goes to scrap. We will need a bring a 'laundry cart' or some similar container to the control room outside the MCH1 door in order to dump the possibly hundreds of pounds of scrap cable. Designate a place to move the cart after it is filled.
11	Remove all circuit cards from crates in all of the racks and move them to the main floor for disposal					
12	Remove Air handling supply system on top of racks					
13	Remove old AC power supply system					
14	Cut DC power cables to power supplies in racks					
15	Remove power supplies from racks and move to main floor for disassembly					
16	Cut crates so they can be collapsed and removed					
17	Remove white water hoses and drain water lines					

Item	Tasks	Date assigned	Date needed	Date complete	Contact person	Comments
18	Remove all heat exchangers and old plumbing					
19	Install all new hardware (shelves, panels) and plumbing as per drawings				Foglesong	Includes plenums and blowers.
20	Install all new infrastructure as per drawings				Foglesong	Includes smoke detectors, rack monitors, RMIs, and associated cables.
21	Hookup water supply and return line to new manifolds				Foglesong	
22	Install new heat exchangers and connect to new manifolds				Foglesong	
23	Pressurize the new water manifolds				Foglesong	
24	Test flow, smoke, drip, and interlocks				Foglesong	
25	Install new AC power system.				Foglesong	Includes AC distribution box.

Item	Tasks	Date assigned	Date needed	Date complete	Contact person	Comments
26	Prepare sidewalk crates/panels/cables for transport.					ADF/ATC, Controls, GAB-->TFW cables: Edmunds TAB/GAB crates and cables: Mulhearn L2/L3 fiber: Bagby Trk_Match:AZ BLS PP:?? ADF-->TAB Cable notes: Carefully thread the four bundles or trunks of LVDS cables through the open panel above the TAB/GAB crate. There are 240 cables in total, each with about 4.5 meters from the lock position of the strain relief system to the connector end (for the ADF). The four trunks of cables can be coiled up and gently placed inside a box or similar container. The weight of the cables needs to be supported so as not to drag on the TAB/GAB crate.
27	Install new ADF crates as per drawings and plug them into the proper interlock box				Edmunds	
28	Install new CONTROL crate as per drawings and plug them into the proper interlock box				Edmunds	
29	Install new TAB/GAB crate as per drawings and plug them into the proper interlock box				Mulhearn ??	
30	Install new hinged panels as per drawings					
31	Install any other panels (splitters, trk_match) and chassis as per drawings					
32	Install patch panel card hardware and cable restraints.					
33	Install all new patch panel cards on the new hinged panels					

Item	Tasks	Date assigned	Date needed	Date complete	Contact person	Comments
34	Connect and dress all BLS cables to PP cards					Route, connect and redress the BLS trigger cables. For a given rack, 64 cables are in the left cable guide and 64 cables are in the right cable guide. There is plenty of open space in the shelves behind each patch panel to allow any slack BLS trigger cable to flow.
35	Run pulser and verify PP card signal					Use the Calorimeter pulser to check out BLS trigger cables with a scope and the monitor connectors on the front of each patch panel. We need a specially prepared cable and/or adaptor (and a spare?).To run the Calorimeter preamp pulser, the DAQ and Calorimeter readout is needed (trigger, preamp & BLS & pulser power, etc.). We may want to check out the first rack before doing the rest to determine if our handling of the cables has been too rough.
36	Connect up and dress pleated foil cables from PP to ATC					Route and connect the 160 pleated foil cables from the patch panel cards to the ATCs.The slack for the pleated foil cables can rest on the shelves behind each patch panel. Do not apply the strain relief latch on the patch panels yet. The pleated foil cables and BLS trigger cables share the same strain relief system, and it would be too time consuming to undo and redo one to two days later.
37	Connect up and dress all of the LVDS ATC-->TAB/GAB cables					The four trunks of LVDS cables need to be threaded back to the rear of M107, and then routed to one of the four racks in which an ADF crate resides. The slack cable can be carefully stored on shelves in any of the racks which contain only patch panels. Reconnect the LVDS cables to the ATCs.

Item	Tasks	Date assigned	Date needed	Date complete	Contact person	Comments
38	Connect all other supporting cables to operate the new system				Bagby-Fiber plant	This includes TAB/GAB-->L2 fiber plant, CAN bus monitor plant, GAB-->TFW, SCL